

# Converting Colors - WCAG Matrix

## Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

Hex(E0703E) Hex(FFFFFF) Hex(FFA670) Hex(FFC18A) Hex(FFDEA5) Hex(FFFB0) Hex(FFFFDC) Hex(FFFF9)

	Hex(E0703E)	Hex(FFFFFF)	Hex(FFA670)	Hex(FFC18A)	Hex(FFDEA5)	Hex(FFFB0)	Hex(FFFFDC)	Hex(FFFF9)
Hex(E0703E)		Ratio: 3.20 AA 18pt <sup>2</sup>	Ratio: 1.67 Failed <sup>5</sup>	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 2.48 Failed <sup>5</sup>	Ratio: 3.02 AA 18pt <sup>2</sup>	Ratio: 3.14 AA 18pt <sup>2</sup>	Ratio: 3.19 AA 18pt <sup>2</sup>
Hex(FFFFFF)	Ratio: 3.20 AA 18pt <sup>2</sup>		Ratio: 1.92 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.00 Failed <sup>5</sup>
Hex(FFA670)	Ratio: 1.67 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>		Ratio: 1.21 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>
Hex(FFC18A)	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.21 Failed <sup>5</sup>		Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.55 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>
Hex(FFDEA5)	Ratio: 2.48 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>
Hex(FFFB0)	Ratio: 3.02 AA 18pt <sup>2</sup>	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>
Hex(FFFFDC)	Ratio: 3.14 AA 18pt <sup>2</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 1.55 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>		Ratio: 1.02 Failed <sup>5</sup>
Hex(FFFF9)	Ratio: 3.19 AA 18pt <sup>2</sup>	Ratio: 1.00 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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